

WEB-WISE

A CONFERENCE
on LIBRARIES
and MUSEUMS
in the
DIGITAL WORLD



MARCH 15-17, 2000
RENAISSANCE HOTEL
WASHINGTON, DC

sponsored by
THE INSTITUTE OF
MUSEUM AND LIBRARY
SERVICES *and*
THE UNIVERSITY OF
MISSOURI - COLUMBIA,
DEPARTMENT OF
COMPUTER SCIENCE

as a primary source of Federal funding for libraries and museums, the Institute of Museum and Library Services promotes leadership, innovation and a lifetime of learning. In the 21st century, more of this learning will take place through the use of technology. Since 1998, IMLS has provided grants to state library agencies and to individual libraries for research, digitization and management of digital resources. Grants also address critical preservation and interoperability issues. Beginning in 2000, IMLS is supporting museums' efforts to build electronic networks and use technology to make their resources more accessible. "Web-Wise: A Conference on Libraries and Museums in the Digital World" will focus on the issues involved in digital library development and the IMLS supported digital initiatives.

WEB-WISE agenda

WEDNESDAY, MARCH 15

6:00 PM **Reception**, Renaissance Hotel

THURSDAY, MARCH 16

7:30 AM **Registration and Breakfast Buffet**

8:30 AM **Welcome and Opening Remarks:**

► **BEVERLY SHEPPARD**, *Acting Director*
INSTITUTE OF MUSEUM AND LIBRARY SERVICES

► **SU-SHING CHEN**, *Chair and Professor of*
Computer Engineering and Science
UNIVERSITY OF MISSOURI - COLUMBIA,
Conference Moderator

► **LAURA CAMPBELL**, *Director*
NATIONAL DIGITAL LIBRARY

KEYNOTE ADDRESS:

► **DAVID BOLT**, *Producer and Co-founder*
STUDIO MIRAMAR
Executive Producer
Digital Divide, a PBS series

9:45 AM **Break and Poster Sessions**

10:30 AM **Conference Session**
**THE DIGITAL LANDSCAPE:
WHERE THE GOOD STUFF LIVES**

Session Chair:

► **DEANNA MARCUM**, *President*
COUNCIL ON LIBRARY AND INFORMATION
RESOURCES

PRESENTERS:

❖ **JIM CARTWRIGHT**, *Librarian and Head*
University Archivist, Special Collections
UNIVERSITY OF HAWAII AT MANOA

❖ **MARTHA CHANTINY**, *Librarian and Head
Desktop Network Services
Library Information Technology*
UNIVERSITY OF HAWAII AT MANOA

❖ **STEVE DIETZ**, *Director
New Media Initiatives*
WALKER ART CENTER

❖ **JON DUNN**, *Manager
Digital Library Operations and Development
Digital Library Program*
INDIANA UNIVERSITY

❖ **STEPHANIE HAAS**, *Environmental Sciences
Librarian
Marston Science Library*
UNIVERSITY OF FLORIDA

❖ **JOAN HORI**, *Librarian, Curator, Hawaiian
Collection, Special Collections, Public Services*
UNIVERSITY OF HAWAII AT MANOA

12:00 PM **Lunch**

1:30 PM **Conference Session**
**PARTNERSHIPS: BUILDING NETWORKED
INFRASTRUCTURES**

Session Chair:
▶ **RAY EWICK**, *State Librarian*
INDIANA STATE LIBRARY

PRESENTERS:

❖ **NANCY ALLEN**, *Dean and Director
Penrose Library,*
UNIVERSITY OF DENVER

❖ **SAYEED CHOUDHURY**, *Director
Digital Knowledge Center*
JOHNS HOPKINS UNIVERSITY

❖ **EVELYN DANIEL**, *Professor
School of Library and Information Science*
UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

❖ **DOUGLAS HOLLAND**, *Garden Archivist*
MISSOURI BOTANICAL GARDEN

❖ **NANCY ZUSSY**, *State Librarian*
WASHINGTON STATE LIBRARY

3:00 PM **Break and Poster Sessions**

3:45 PM

Conference Session
**FRIENDLY USERS:
INVOLVING USERS IN DIGITAL LIBRARIES**

Session Chair:
▶ **DON WATERS**, *Program Officer*
MELLON FOUNDATION

PRESENTERS:

❖ **ANN BISHOP**, *Assistant Professor
Graduate School of Library and Information
Science*
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

❖ **ALLISON DRUIN**, *Assistant Professor
Department of Human Development*
UNIVERSITY OF MARYLAND

❖ **JANE CAMPAGNA**, *Associate Dean for
Learning Resources - Scott Community College*
EASTERN IOWA COMMUNITY COLLEGE

❖ **ELLEN KABAT LENSCH**, *Director
Advanced Technology Environmental
Education Center*
EASTERN IOWA COMMUNITY COLLEGE

❖ **JULIE MASON**, *Outreach Services*
UNIVERSITY OF CALIFORNIA AT RIVERSIDE

5:00 PM

Adjourn

5:30 PM

Reception, Capitol Hill

FRIDAY, MARCH 17

8:00 AM

Breakfast Buffet

8:30 AM

**Conference Session -
THIS OLD WEB:
DEVELOPING STANDARDS FOR DIGITAL
LIBRARY MANAGEMENT,
INTEROPERABILITY, AND PRESERVATION**

Session Chair:
▶ **CLIFFORD LYNCH**, *Executive Director*
COALITION FOR NETWORKED INFORMATION

PRESENTERS:

- ❖ **LIZ BISHOFF**, *Project Director*
COLORADO DIGITIZATION PROJECT (CDP)
- ❖ **PRISCILLA CAPLAN**, *Assistant Director for*
Digital Library Services
STATE UNIVERSITY SYSTEM OF FLORIDA
- ❖ **SAMANTHA HASTINGS**, *Assistant Professor*
School of Library and Information Science
UNIVERSITY OF NORTH TEXAS
- ❖ **ANNE KENNEY**, *Associate Director*
Department of Preservation
CORNELL UNIVERSITY
Library and Co-Director Cornell Institute
for Digital Collections
CORNELL UNIVERSITY

9:45 AM **Break**

10:15 AM **Conference Session -**
ON MY MIND:
PANEL DISCUSSION WITH
AUDIENCE PARTICIPATION

DISCUSSION LEADERS:

- ▮ **JAMES LIGHTBOURNE**, *Science Advisor*
Division of Undergraduate Education
NATIONAL SCIENCE FOUNDATION
- ▮ **CLIFFORD LYNCH**, *Executive Director*
COALITION FOR NETWORKED INFORMATION
- ▮ **DON WATERS**, *Program Officer*
MELLON FOUNDATION
- ▮ **RICK WEINGARTEN**, *Director*
Office of Information Technology Policy
AMERICAN LIBRARY ASSOCIATION -
WASHINGTON OFFICE

11:45 AM **Wrap-up**

- ▮ **SU-SHING CHEN**, *Chair and Professor of*
Computer Engineering and Science
UNIVERSITY OF MISSOURI – COLUMBIA
- ▮ **BEVERLY SHEPPARD**, *Acting Director*
INSTITUTE OF MUSEUM AND LIBRARY SERVICES

12:00 PM **Adjourn**

conference

presentations

DIGITAL LANDSCAPE – WHERE THE GOOD STUFF LIVES THURSDAY, 10:30 A.M. TO 12:00

❖ HAWAIIAN AND PACIFIC HISTORICAL IMAGES

JIM CARTWRIGHT, MARTHA CHANTINY AND JOAN HORI,
University of Hawaii at Manoa, Hamilton Library

For the first time, students and scholars of the Hawaiian language and the history of Hawaii and the Trust Territory of the Pacific can view special collections of the University of Hawaii at Manoa Library, via its Web site. This three-part project is digitizing microfilm of Hawaiian language newspapers dating from back to 1834. The site will also feature thousands of selected photographs of the U.S. government's programs in education, health, political and economic development in the Trust Territory of the Pacific Islands (1947-1994) and from the Hawaii War Records Depository. The third phase of the project involves using the digitized images and newspapers as teaching tools in Hawaiian-language immersion schools.

<http://128.171.57.100/>

❖ DIGITAL MUSEUM EXHIBITS: NAVIGATING KNOWLEDGE AND TELLING STORIES

STEVE DIETZ, *Walker Art Center*

For the Internet to live up to its promise, vast amounts of information need to be easily accessible. For the Internet to live up to our dreams, the information must be focused, useful, even compelling. The Walker Art Center's award-winning collaborative educational site with The Minneapolis Institute of Arts, ArtsConnectEd, is providing this kind of focused access to database records, images, audio, video, and hypermedia from archival, library and museum collections. A visitor to this site can, for example, view the artist's proof and final version of Mary Cassatt's *The Bare-footed Child* while listening to a description of the etching with drypoint and aquatint process used in the print. <http://www.artsconnected.org>

THURSDAY, 10:30 A.M. TO 12:00

❖ **THE HOAGY CARMICHAEL COLLECTION**

JON DUNN, *Indiana University*

To celebrate the centennial of master songwriter Hoagland “Hoagy” Carmichael’s birth (1899-1981), the Indiana University Digital Library Program and the Archives of Traditional Music launched the Hoagy Carmichael Collection Web site.

Carmichael’s work has broad popular appeal and also attracts scholarly interest, so the multimedia, searchable site has been developed to serve a wide range of users with a variety of purposes. The site visitor can, among other things, search the full-text database of his letters to find typed and hand-written letters referring to “Georgia (on my mind)” while listening to a recording of his orchestra performing the song with Hoagy as vocalist. <http://www.dlib.indiana.edu/collections/hoagy/index.html>

❖ **LINKING FLORIDA’S NATURAL HERITAGE: SCIENCE AND CITIZENRY**

STEPHANIE HAAS, *University of Florida, Marston Science Library*

The Florida Museum of Natural History; the Florida Center for Library Automation; and the libraries of the University of Florida, Florida International University and Florida Atlantic University are creating a virtual library to enhance and expand the public’s use of museum and library collections of Florida ecological information. An environmental thesaurus of species, habitats and ecosystems, and the ability to specify either scientific or common names will increase the public’s ability to construct effective searches. Ultimately, patrons will be able to simultaneously search and retrieve from museum specimen collections and library bibliographic files from across Florida. <http://www.fcla.edu/linkfl/>

PARTNERSHIPS:

BUILDING NETWORKED INFRASTRUCTURES

1:30 – 3:00 P.M.

❖ **THE COLORADO DIGITIZATION PROJECT**

NANCY ALLEN, *University of Denver*

The Colorado Digitization Project (CDP) is a statewide collaborative involving libraries, museums, archives, and historical societies in a project to create infrastructure for the development of and access to a digital collection of the cultural, historical, scientific, and governmental resources of Colorado. As a result, teachers, students and other visitors will be able to conduct a single search to find relevant information, statewide. CDP will also explore the impact of Web-based digital images on museum attendance and how user satisfaction is affected by various approaches to the display of digital objects - interpretative/exhibition vs. catalog. <http://coloradodigital.coalliance.org/>

❖ **MANAGEMENT AND SEARCHING OF MUSIC COLLECTIONS**

SAYEED CHOUDHURY, *Johns Hopkins University*

Using the Lester S. Levy Collection of Sheet Music, dating from 1780 to 1960, as their testbed, the Digital Knowledge Center of the Milton S. Eisenhower Library at the Johns Hopkins University and IBM Watson Research Laboratories are developing a comprehensive framework of tools that will reduce the time and cost associated with large-scale digitization projects by diminishing the need for manual input. The result will be not only on-line sound renditions and tune-based search capabilities of this previously digitized collection but also a tested process, framework, and set of tools transferable for use with other large-scale digitization projects. <http://levysheetmusic.mse.jhu.edu/>

THURSDAY, 1:30 A.M. TO 3:00 P.M.

❖ **PLANT IMAGE DATABASE PROJECT**

DOUGLAS HOLLAND, *Missouri Botanical Garden,*
EVELYN DANIEL, *University of North Carolina, Chapel Hill*

In plant research, botanists have traditionally had to borrow living plants, plant images, and dried herbarium specimens or travel to their locations. Both options involve considerable expense and potential damage to unique materials. With the advancements in electronic transfer of information, images of live plants and herbarium specimens, along with their associated data, can now be studied via the Internet. With the contributions of other botanical organizations, this model project will result in an invaluable digital repository of plant images for free use worldwide.

<http://mobot.mobot.org/Pick/Search/image/imagefr.html>

❖ **FIND-IT! — WASHINGTON STATE'S GOVERNMENT INFORMATION LOCATOR SERVICE (GILS)**

NANCY ZUSSY, *Washington State Library*

Charged with increasing public access to state government information, the Washington State Library developed GILS, a searchable Web site designed for users with a variety of computer skill levels. After successfully exporting the concept to several other states, the State Library has begun focusing on creating seamless communication across state government information locator systems. Ultimately, the project could result in a national network of state GILS, giving users an easily accessible and rich resource of often difficult-to-locate state government information. <http://find-it.state.wa.us/compass>

**FRIENDLY USERS:
INVOLVING USERS IN DIGITAL LIBRARIES
3:45- 5:00 P.M.**

❖ **SOCIALLY GROUNDED USER STUDIES IN DIGITAL LIBRARY DEVELOPMENT**

ANN P. BISHOP, *University of Illinois at Urbana-Champaign*

Potential Web users can play an important role in the development of digital libraries by collaborating with system developers to craft sites that are not only usable, but useful. To maximize the usefulness of Web-based resources requires understanding the real world information needs and practices of a site's intended audience. Working with members of SisterNet, a local grassroots group, the University of Illinois at Urbana-Champaign's Graduate School of Library and Information Science is developing Web-based health information services that will be relevant and readily accessible to this African American women's group.

❖ **CHILDREN SHAPING THE FUTURE OF DIGITAL LIBRARIES**

ALLISON DRUIN, *College of Education and Institute for Advanced Computer Studies, University of Maryland*

As new technologies become increasingly more critical in children's lives, we must be sure these technologies are tailored to the developmental and intellectual needs of young learners. The University of Maryland has established an interdisciplinary, intergenerational team of researchers including computer scientists, educational researchers, elementary school children (ages 5-11) and classroom teachers. The project will develop new graphical interfaces that can enhance children's use of digital libraries, create methods of working with children as technology design partners and evaluate the use of digital libraries in schools. <http://www.cs.umd.edu/hcil/kiddiglib/>

THURSDAY, 3:45 A.M. TO 5:00 P.M.

❖ **THE ADVANCED TECHNOLOGY ENVIRONMENTAL EDUCATION LIBRARY (ATEEL)**

ELLEN KABAT LENSCH AND JANE CAMPAGNA, *Eastern Iowa Community College*

The rapidly emerging field of environmental technology education requires students to have access to a rich, reliable and up-to-date resource base of information. Nearly all 1200 community colleges offer some type of environmental courses and over 100 colleges offer one-year certificate or two-year Associate degree programs in environmental technology. Environmental experts or “sector leads” from across the nation will assist in the collection of data for this digital library, helping to ensure that the ATEEL project will serve the specialized needs of environmental technology students, faculty and working technicians.

❖ **NATIONAL NETGAIN: WORKING TOGETHER TO CREATE A NATIONAL ACADEMIC VIRTUAL LIBRARY**

JULIE MASON, *University of California at Riverside*

INFOMINE, the product of a network of academic and research librarians, is a unique Web resource featuring well-organized access to over 18,000 annotated and indexed links to important university level educational resources on the Internet. INFOMINE was created in 1994 by librarians and demonstrated that library science principles and skills transfer well to the Internet. The next step is to expand the network nationally and create software that will remove much of the redundant, labor intensive tasks of building virtual libraries allowing participating librarians to focus on the crucial work of collecting and describing new academic Internet resources.
<http://infomine.ucr.edu/>

**THIS OLD WEB:
DEVELOPING STANDARDS FOR DIGITAL LIBRARY
MANAGEMENT, INTEROPERABILITY, AND
PRESERVATION**

FRIDAY, 8:30 – 9:45 A.M.

❖ **STANDARDS AND THE COLORADO DIGITIZATION PROJECT (CDP)**

LIZ BISHOFF, *Colorado Digitization Project*

A collaborative project of archives, historical societies, libraries and museums to create cohesive virtual collections requires agreement on a wide range of issues. One of the earliest and most multifaceted challenges of the CDP concerned the need for standardization of practices. Liz Bishoff will discuss the complexities of developing project standards for digitization, including metadata, scanning and collection development that are suitable for multiple institution types. Adoption of these standards will represent progress toward assuring a level of quality and accessibility across collections. <http://coloradodigital.coalliance.org/standard.html>

❖ **OPPORTUNITIES AND CHALLENGES FOR STANDARDS DEVELOPMENT**

PRISCILLA CAPLAN, *State University System of Florida*

As Chair of the National Information Standards Organization (NISO) Standards Development Committee, Priscilla Caplan is well positioned to address both the opportunities and challenges for standards development. As coordinator of a number of cooperative digitization initiatives, she's also knowledgeable about digital library implementation and management and the difficulties of applying standards in this rapidly changing environment. This presentation will explore areas where standards or guidelines might be particularly productive and some of the factors complicating standards initiatives, such as multiple constituencies, the need for speed, and the internationalization of the Web.

FRIDAY, 8:30 A.M. TO 9:45 A.M.

**❖ DIGITAL LIBRARY MANAGEMENT:
TECHNOLOGIES & TRAINING**

SAMANTHA HASTINGS, *University of North Texas*

What skills, knowledge and attitudes are required to manage digital libraries? What new technologies are needed for both development and delivery of a curriculum designed to produce experts in this field? Samantha Hastings will present information about how to educate managers in the digital library arena. She will provide an opportunity to see the IMLS Fellows at the University of North Texas working, learning, producing, and interacting with staff from the African American Museum of Art in Dallas. She will lead an exploration of the challenges and opportunities of interoperability, metadata, image formats, information management, network design and more!

**❖ PRESERVING CORNELL'S DIGITAL IMAGE COLLECTIONS:
IMPLEMENTING AN ARCHIVING STRATEGY**

ANNE KENNEY, *Cornell University*

Although Cornell University Library has been a pioneer in the retrospective conversion of traditional library materials to digital image form, it is far from unique in having to address the long-term preservation needs of such materials. The archiving solution will safeguard and ensure continued long-term access to Cornell's collection of more than 2.5 million digital images. This project will also have wide applicability to research and cultural institutions that face similar problems in creating and maintaining valuable digital image collections and will serve as an essential building block in the development of a comprehensive archiving strategy for all digitized information.